

### 205.7 - Carbon-14 Dating (solid form)

This SRM is an international standard for contemporary carbon-14 against which world-wide measurements can be compared. Each SRM consists of approximately 225g of a 450kg lot of oxalic acid prepared by fermentation of French beet molasses from the 1977 spring, summer, and autumn harvests.

["Radionuclide Calibration Services"](#)

["Radioactive SRM Purchasing Instructions & License Certification Form"](#)

["Radioactive SRMs-General Info"](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	NRC License or Equivalent Required*	Reference Time
4990C	Oxalic Acid	8 x 28 g	--	1980

\*If no "X", then license is not required unless the institution possesses a specific license that covers the listed radionuclide.

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only